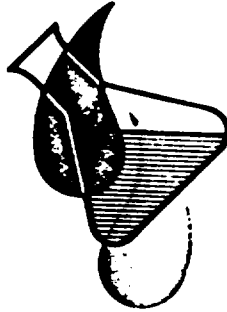


CHEMICAL RECOVERY SYSTEMS, INC. 146 364

36345 VAN BORN ROAD
ROMULUS, MICHIGAN 48174

MICHIGAN PHONE 313/326-3100
OUT OF STATE 800/521-0998



RECEIVED

JUL 17 1985

U.S. EPA REGION V
WATER POLLUTION CONTROL DIVISION
1400 N. MICHIGAN AVE. CHICAGO, ILL. 60604

REFERENCE 14
SITE NAME Chemical Recovery Syst.
SITE ID 040 057001810

July 16, 1985

United States EPA
Region V
230 South Dearborn St.
Chicago, Ill 60604

Attn: E. Moran

Dear Ms. Moran

Please find enclosed a copy of the last testing procedure that CRS-Ohio performed at the former Locust St. facility per the requirements of the consent decree for your files.

Sincerely,

Peter J. Shagena
President

CL**W**

HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

Chemical Recovery of Ohio

36345 Van Born Road

Romulus, MI 48174

Attn: Mr. Pete Shagena

Samples received: 5/17/85

Client I.D.: Downstream, Sewer Outfall, Upstream

Hydro Numbers: 92593-92595

Methodology: PCB's - EPA Method 608
Volatile Organics - Gas
Chromatography/Mass
Spectroscopy-Method 624

Data Submitted: 7/2/85

Susan K. Scott

Laboratory Supervisor

CL**W**HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation408 Auburn Avenue
Pontiac, MI 48058313 334-1630
313 334-4747Chemical Recovery of Ohio
36345 Van Born Road
Romulus, MI 48174
Attn: Mr. Pete Shagena

July 2, 1985

Sample received: 5/17/85

Hydro Numbers:	92593	92595	92594
Client I.D.	Down- stream	Sewer Outfall	Upstream

Analysis performed by gas chromatography.

PCBs, ^{ug}mg/l as

Aroclor 1242	<0.05	<0.05	<0.05
Aroclor 1254	--	--	--
Aroclor 1260	0.20	0.60	<0.05

Susan K. Scott
Laboratory Supervisor



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

Chemical Recovery of Ohio
36345 Van Born Road
Romulus, MI 48174
Attn: Mr. Pete Shagena

July 2, 1985

PRIORITY POLLUTANT ANALYSIS

Concentration, ug/l

Sample received: 5/17/85

Hydro Numbers:

92593

92594

92595

Client I.D.

Down-
stream

Upstream

Sewer
Outfall

Volatile Organic Compounds

Acrolein	<100	<100	<100
Acrylonitrile	<100	<100	<100
Benzene	<10	<10	<10
Bis(Chloromethyl)ether	<10	<10	<10
Bromoform	<10	<10	<10
Carbon Tetrachloride	<10	<10	<10
Chlorobenzene	<10	<10	<10
Chlorodibromomethane	<10	<10	<10
Chloroethane	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10
Chloroform	<10	<10	<10
Dichlorobromomethane	<10	<10	<10
Dichlorodifluoromethane	<10	<10	<10
1,1-Dichloroethane	<10	<10	<10
1,2-Dichloroethane	<10	<10	<10
1,1-Dichloroethylene	<10	<10	<10
1,2-Dichloropropane	<10	<10	<10
1,3-Dichloropropene	<10	<10	<10



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

PRIORITY POLLUTANT ANALYSIS

Concentration, ug/l

July 1, 1985

Sample received: 5/17/85

Hydro Numbers:

92593

92594

92595

Client I.D.

Down-
stream

Upstream

Sewer
Outfall

Volatile Organic Compounds

Ethylbenzene

<10

<10

<10

Methyl Bromide

<10

<10

<10

Methyl Chloride

<10

<10

<10

Methylene Chloride

<10

<10

<10

1,1,2,2-Tetrachloroethane

<10

<10

<10

Tetrachloroethylene

<10

<10

<10

Toluene

<10

<10

<10

trans-1,2-dichloroethylene

31

<10

<10

1,1,1-Trichloroethane

110

<10

<10

1,1,2-Trichloroethane

<10

<10

<10

Trichloroethylene

29

<10

<10

Trichlorofluoromethane

<10

<10

<10

Vinyl Chloride

<10

<10

<10

Susan K. Scott
Laboratory Supervisor



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

July 11, 1985

Chemical Recovery of Ohio
36345 Van Born Road
Romulus, MI 48174
Attn: Mr. Pete Shagena

Samples received: May 16, 1985

Field Notes & Observation:

Hydro Numbers:	92593	92595	92594
Client I.D.	Down- stream	Sewer Outfall	Upstream

Weather Conditions:
5/16/85

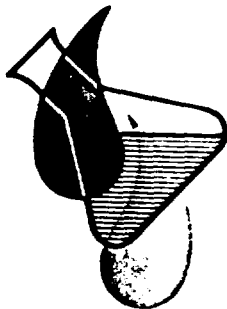
Overnite and early morning rain, temperature
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Grab samples collected by Hydro Research personnel, Jeff Bolin on
May 16, 1985 between 12 Noon and 1:30 PM.

CHEMICAL RECOVERY SYSTEMS, INC.

36345 VAN BORN ROAD
ROMULUS, MICHIGAN 48174

MICHIGAN PHONE 313/326-3100
OUT OF STATE 800/521-0998



RECEIVED

JUL 17 1985

July 16, 1985

U.S. EPA. REGION V
WATER POLLUTION CONTROL DIVISION
NATIONAL WASTE TREATMENT BOARD

United States EPA
Region V
230 South Dearborn St.
Chicago, Ill 60604

Attn: E. Moran

Dear Ms. Moran

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Sincerely,

Peter J. Shagena
President

CL**W**

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Clow Corporation

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313 334-1630
313 334-4747

Chemical Recovery of Ohio

36345 Van Born Road

Romulus, MI 48174

Attn: Mr. Pete Shagena

Samples received: 5/17/85

Client I.D.: Downstream, Sewer Outfall, Upstream

Hydro Numbers: 92593-92595

Methodology: PCB's - EPA Method 608
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Spectroscopy-Method 624

Data Submitted: 7/2/85

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Laboratory Supervisor



HYDRO RESEARCH SERVICES
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Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

Chemical Recovery of Ohio
36345 Van Born Road
Romulus, MI 48174
Attn: Mr. Pete Shagena

July 2, 1985

Sample received: 5/17/85

Hydro Numbers:

92593

92595

92594

Client I.D.

Down-
stream

Sewer
Outfall

Upstream

Analysis performed by gas chromatography.

PCBs, ^{ug}mg/l as

Aroclor 1242

<0.05

<0.05

<0.05

Aroclor 1254

--
0.20

--
0.60

--
<0.05

Aroclor 1260

Susan K. Scott
Laboratory Supervisor



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

Chemical Recovery of Ohio
36345 Van Born Road
Romulus, MI 48174
Attn: Mr. Pete Shagena

July 2, 1985

PRIORITY POLLUTANT ANALYSIS

Concentration, ug/l

Sample received: 5/17/85

Hydro Numbers:

92593

92594

92595

Client I.D.

Down-
stream

Upstream

Sewer
Outfall

Volatile Organic Compounds

Acrolein	<100	<100	<100
Acrylonitrile	<100	<100	<100
Benzene	<10	<10	<10
Bis(Chloromethyl)ether	<10	<10	<10
Bromoform	<10	<10	<10
Carbon Tetrachloride	<10	<10	<10
Chlorobenzene	<10	<10	<10
Chlorodibromomethane	<10	<10	<10
Chloroethane	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10
Chloroform	<10	<10	<10
Dichlorobromomethane	<10	<10	<10
Dichlorodifluoromethane	<10	<10	<10
1,1-Dichloroethane	<10	<10	<10
1,2-Dichloroethane	<10	<10	<10
1,1-Dichloroethylene	<10	<10	<10
1,2-Dichloropropane	<10	<10	<10
1,3-Dichloropropene	<10	<10	<10



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

PRIORITY POLLUTANT ANALYSIS

Concentration, ug/l

July 1, 1985

Sample received: 5/17/85

Hydro Numbers:

92593

92594

92595

Client I.D.

Down-
stream

Upstream

Sewer
Outfall

Volatile Organic Compounds

Ethylbenzene	<10	<10	<10
Methyl Bromide	<10	<10	<10
Methyl Chloride	<10	<10	<10
Methylene Chloride	<10	<10	<10
1,1,2,2-Tetrachloroethane	<10	<10	<10
Tetrachloroethylene	<10	<10	<10
Toluene	<10	<10	<10
trans-1,2-dichloroethylene	31	<10	<10
1,1,1-Trichloroethane	110	<10	<10
1,1,2-Trichloroethane	<10	<10	<10
Trichloroethylene	29	<10	<10
Trichlorofluoromethane	<10	<10	<10
Vinyl Chloride	<10	<10	<10

Susan K. Scott
Laboratory Supervisor



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

July 11, 1985

Chemical Recovery of Ohio
36345 Van Born Road
Romulus, MI 48174
Attn: Mr. Pete Shagena

Samples received: May 16, 1985

Field Notes & Observation:

Hydro Numbers:	92593	92595	92594
Client I.D.	Down- stream	Sewer Outfall	Upstream

Weather Conditions:
5/16/85

Overnite and early morning rain, temperature
in the mid 60° F.

Grab samples collected by Hydro Research personnel, Jeff Bolin on
May 16, 1985 between 12 Noon and 1:30 PM.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

RECEIVED

JUN 4 1984

DATE: JUN 4 1984

SUBJECT: May Tracking Report Chemical Recovery Consent Decree

REMEDIAL
RESPONSE BRANCH

FROM: Gregg Kulma, OSC
Remedial Response Section

TO: See Addressees Below

Significant developments since last report:

1. In January we received the analytical results of the samples taken November 15, 1983, from the river adjacent to the site. The samples were taken at an outfall from the site and upstream and downstream of the outfall. The samples were analyzed for volatile organics and PCB's. The following summarizes the significance of the results:

<u>Sample Location</u>	<u>Compound</u>	<u>Concentration (ppb)</u>
Outfall	1,1, Dichloroethene	34
	trans - 1,2-dichloroethylene	250
	1,1,1 - Trichloroethane	210
	Trichloroethylene	170
Upstream	Nothing Detected	
Downstream	Nothing Detected	

As can be seen from the results, only a few compounds were found at low levels near the outfall. Also, there is no impact downstream.

2. On April 16, 1984, Chemical Recovery called to inform me that samples would be taken in the next one or two days. This was an appropriate time to take the samples in accordance with the Consent Decree.

Attachment

Addressees:

B. Constantelos, 5H
D. Stringham, 5H
✓ R. Bartelt, 5HR
G. Vanderlaan, 5HR
R. Schaefer, 5C
D. Ullrich, 5C

M. Gade, 5C
J. McPhee, 5C
K. Sutula, U.S. Atty's Ofc., Cleveland
P. Schaeffer, DOJ, D.C.
M. Kosakowski, OWPE, HQ
D. Whoite, OLEC, HQ

Chemical Recovery Systems, Inc.
Consent Decree
Tracking Report

Date Due	Date/Rec'd Inspected	Sect. or App.	EVENT	Compliance		Frequency of Event	Notes
				Yes	No		
8/15/83	9/1/83	V.A. (1)	Jointly conduct a visual inspection of the site with U.S. EPA technical personnel, to identify spots of visibly contaminated soil if any.	X		ONE-TIME	Due to delays in administrative processing of the consent decree, it was not lodged with the court until 8/27/83, making it impossible to meet the due date. However, the intent of the consent decree was met.
8/15/83	9/1/83 11/7/83	V.A. (2)	Excavate all visibly contaminated soil identified by inspection in V.A. (1)	X		ONE-TIME	Excavation of the perimeter of the Brighton Still Building accomplished 9/1/83. Remainder of soil removal accomplished 9/15/83.
8/15/83	9/1/83	V.A. (3)	Excavate the perimeter of the Brighton Still Building, to a depth of one foot, and to a distance of two feet beyond the perimeter of the foundation.	X		ONE-TIME	Site inspection was conducted on September 1, 1983. The perimeter of the building was excavated and backfilled in accordance with the consent decree.
8/15/83	9/1/83 11/7/83	V.A. (4)	Dispose of all soil removed in these excavation in an U.S. EPA approved waste disposal site.	X		ONE-TIME	Soil excavated from perimeter of the Brighton Still Building was removed and transported to Wayne Disposal in Belleville, Michigan. Other soils removed prior to grading and seeding of the site 9/15/83.

Date Due	Date/Rec'd Inspected	Sect. or App.	EVENT	Compliance		Frequency of Event	Notes
				Yes	No		
8/15/83	11/7/83	V.A. (5)	Backfill the excavated areas with clean clay-containing fill, as necessary, and grade to conform with existing terrain.	X		ONE-TIME	After excavation of the perimeter of the Brighton Still Building, it was backfilled with clean clay-containing fill. Other backfilling occurred prior to grading and seeding of the site.
8/15/83	11/7/83	V.A. (6)	Gently grade site towards the river bank to a slope of approximately 3%	X		ONE-TIME	Site work was completed 9/15/83
30/07/83	11/7/83	V.B.	At the next horticulturally appropriate time, CRS will seed the site with appropriate grasses.	X		ONE-TIME	Site seeded 9/15/83. Grass has begun to grow.
12/22/83		V.C.	CRS will conduct monitoring of the Black River adjacent to the site a total of four times following entry of the Consent Decree for PCBs and volatile organics. Each monitoring to consist of at least three samples, one upstream and one downstream and shall be depth-integrated. Sampling and analysis to be conducted according U.S. EPA protocols. Sampling shall take place once each Spring during the first period of intensive melting snow, or w/in 48 hrs. of the first rainfall one inch or more after March 1, whichever occurs first, but in no case later than 6/22/83 and 6/22/84; and once each fall w/in 48 hrs. after first rainfall of one inch or more following 8/15, but in no case later than 12/22/83 and 12/22/84	X		Twice per year, four times total	CRS has arranged for sampling to occur 11/15/83. Results will be forwarded as soon as they are available.
6/22/84							Results from 11/15/83 sampling rec'd 1/84.
12/22/84							CRS has arranged for sampling to occur 4/17/84. Results will be forwarded as soon as possible.
6/22/85							



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

May 18, 1984

Chemical Recovery of Ohio
36345 Van Born Road
Romulus, MI 48174
Attn: Mr. Pete Shagena

Samples received: 4-18-84

Hydro Numbers:	77221	77222	77223
Sample Number	Upstream	Downstream	Sewer

Field Notes & Observations

Weather Conditions

-General Conditions:	Rain	Rain	Rain
-Temperature:	All day	All day	All day
Date:	Upper 30's	Upper 30's	Upper 30's
	4-17-84	4-17-84	4-17-84

Grab Sample:

-Time:	7:20 pm	7:20 am	7:20 pm
-Date:	4/17	4/17	4/17



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

Chemical Recovery of Ohio
36345 Van Born Road
Romulus, MI 48174
Attn: Mr. Pete Shagena

5-18-84

PRIORITY POLLUTANT ANALYSIS

Concentration, ug/l

Samples received: 4-18-84

Hydro Numbers:

77221

77222

77223

Client I.D.

Upstream

Downstream

Sewer

Volatile Organic Compounds

Acrolein	<100	<100	<100
Acrylonitrile	<100	<100	<100
Benzene	<10	<10	<10
Bis(Chloromethyl)ether	<10	<10	<10
Bromoform	<10	<10	<10
Carbon Tetrachloride	<10	<10	<10
Chlorobenzene	<10	<10	<10
Chlorodibromomethane	<10	<10	<10
Chloroethane	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10
Chloroform	<10	<10	<10
Dichlorobromomethane	<10	<10	<10
Dichlorodifluoromethane	<10	<10	<10
1,1-Dichloroethane	<10	<10	<10
1,2-Dichloroethane	<10	<10	<10
1,1-Dichloroethylene	<10	<10	<10
1,2-Dichloropropane	<10	<10	<10
1,3-Dichloropropene	<10	<10	<10



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

5-18-84

PRIORITY POLLUTANT ANALYSIS

Concentration, ug/l

Samples received: 4-18-84

Hydro Numbers:

77221

77222

77223

Client I.D.

Upstream

Downstream

Sewer

Volatile Organic Compounds

Ethylbenzene	<10	<10	<10
Methyl Bromide	<10	<10	<10
Methyl Chloride	<10	<10	<10
Methylene Chloride	<10	<10	<10
1,1,2,2-Tetrachloroethane	<10	<10	<10
Tetrachloroethylene	<10	<10	<10
Toluene	<10	<10	<10
trans-1,2-dichloroethylene	<10	<10	39
1,1,1-Trichloroethane	<10	<10	23
1,1,2-Trichloroethane	<10	<10	<10
Trichloroethylene	<10	<10	66
Trichlorofluoromethane	<10	<10	<10
Vinyl Chloride	<10	<10	<10

Linda Carey
Linda Carey, Manager
Analytical Services



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation

408 Auburn Avenue
Pontiac, MI 48058

313 334-1630
313 334-4747

May 18, 1984

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36345 Van Born Road
Romulus, MI 48174
Attn: Mr. Pete Shagena

Samples received: 4-18-84

Hydro Numbers:	77221	77222	77223
Client I.D.	Upstream	Downstream	Sewer

Analysis performed by gas chromatography.

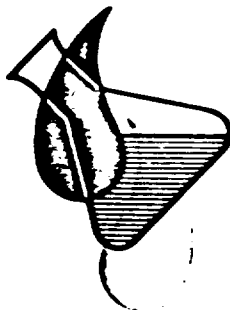
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Aroclor 1242	<0.05	<0.05	<0.05
Aroclor 1254	--	--	--
Aroclor 1260	<0.05	<0.05	<0.05

CHEMICAL RECOVERY SYSTEMS, INC.

36345 VAN BORN ROAD
ROMULUS, MICHIGAN 48174

MICHIGAN PHONE 313/326-3100
OUT OF STATE 800/521-0998



REFERENCE 14
SITE NAME _____
SITE ID _____

January 4, 1984

Director, Waste Management Division
United States Environmental Protection Agency
Region V (5HR)
230 South Dearborn Street
Chicago, Illinois 60604

Attn: Mr. Gregg Kulma

Gregg:

Enclosed is the results of our initial sampling from the Elyria, Ohio site. If you have any questions please contact me at your convenience.

Sincerely,

A handwritten signature in cursive script, appearing to read "Peter J. Shagena".

Peter J. Shagena

PJS/md

Enclosure:

Copy: David Long



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation
313/334-4747

Chemical Recovery of Ohio
142 Locust Street
Elyria, Ohio
Attn: Mr. Shagena

12/27/83

PRIORITY POLLUTANT ANALYSIS

Client I.D.	South of Outfall	North of Outfall	Outfall
Hydro Number:	71749	71750	71751

<u>Volatile Organic Compounds</u>	<u>Concentration, ug/l</u>		
Acrolein	<100	<100	<100
Acrylonitrile	<100	<100	<100
Benzene	<10	<10	<10
Bis(Chloromethyl) ether	<10	<10	<10
Bromoform	<10	<10	<10
Carbon Tetrachloride	<10	<10	<10
Chlorobenzene	<10	<10	<10
Chlorodibromomethane	<10	<10	<10
Chloroethane	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10
Chloroform	<10	<10	<10
Dichlorobromomethane	<10	<10	<10
Dichlorodifluoromethane	<10	<10	<10
1,1-Dichloroethane	<10	<10	34
1,2-Dichloroethane	<10	<10	<10
1,1-Dichloroethylene	<10	<10	<10
1,2-Dichloropropane	<10	<10	<10
1,3-Dichloropropene	<10	<10	<10
Ethylbenzene	<10	<10	<10
Methyl Bromide	<10	<10	<10
Methyl Chloride	<10	<10	<10
Methylene Chloride	<10	<10	<10
1,1,2,2-Tetrachloroethane	<10	<10	<10
Tetrachloroethylene	<10	<10	47
Toluene	<10	<10	<10



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation
313/334-4747

12/27/83

PRIORITY POLLUTANT ANALYSIS

Client I.D.	South of Outfall	North of Outfall	Outfall
Hydro Number:	71749	71750	71751
<u>Volatile Organic Compounds</u>			<u>Concentration, ug/l</u>
trans-1,2-dichloroethylene	<10	<10	250
1,1,1-Trichloroethane	<10	<10	210
1,1,2-Trichloroethane	<10	<10	<10
Trichloroethylene	<10	<10	170
Trichlorofluoromethane	<10	<10	<10
Vinyl Chloride	<10	<10	<10

Linda Carey
Linda Carey, Manager
Analytical Services



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation
313/334-4747

Chemical Recovery of Ohio
142 Locust Street
Elyria, Ohio
Attn: Mr. Shagena

12/27/83

PRIORITY POLLUTANT ANALYSIS

Sample received: 11-15-83

Client I.D.	South of Outfall	North of Outfall	Outfall
Hydro Number:	71749	71750	71751

PCB's ug/l reported as:

Aroclor 1242	<0.05	<0.05	<0.05
Aroclor 1254	--	--	--
Aroclor 1260	<0.8	<0.05	<0.3



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation
313/334-4747

Chemical Recovery of Ohio
142 Locust Street
Elyria, Ohio
Attn: Mr. Shagena

12/27/83

Field Notes & Observations

Sample Number:	71749	71750	71751
Sample I.D.	South of Outfall	North of Outfall	Outfall
<u>Weather Conditions:</u>			
-General Conditions:	Overnight Rain	Overnight Rain	Overnight Rain
-Temperature:	Mid-Upper 30's	Mid-Upper 30's	Mid-Upper 30's

Grab Sample

-Time:	10:25 am	10:10 am	9:45 am
--------	----------	----------	---------

General Notes & Observations:

Note 1: Jim Freeman; (Chemical Recovery Services) showed the site locations and gave each site identification.

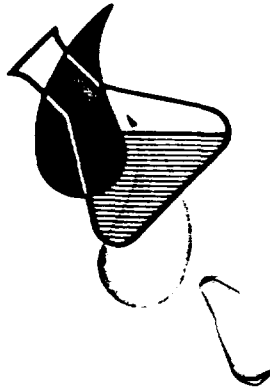
Note 2: The South of Outfall and North of Outfall sites were sampled using a Van Dorn Sampler. Samples were obtained approximately 6' offshore.

Note 3: The Outfall site was sampled directly into preserved sample containers.

CHEMICAL RECOVERY SYSTEMS, INC.

36345 VAN BORN ROAD
ROMULUS, MICHIGAN 48174

MICHIGAN PHONE 313/326-3100
OUT OF STATE 800/521-0998



January 4, 1984

Director, Waste Management Division
United States Environmental Protection Agency
Region V (5HR)
230 South Dearborn Street
Chicago, Illinois 60604

Attn: Mr. Gregg Kulma

Gregg:

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Sincerely,

A handwritten signature in cursive script, appearing to read "Peter J. Shagena".

Peter J. Shagena

PJS/md

Enclosure:

Copy: David Long



HYDRO RESEARCH SERVICES
Water Management Division
Clow Corporation
313/334-4747

Chemical Recovery of Ohio
142 Locust Street
Elyria, Ohio
Attn: Mr. Shagena

12/27/83

PRIORITY POLLUTANT ANALYSIS

Client I.D.	South of Outfall	North of Outfall	Outfall
Hydro Number:	71749	71750	71751

Volatile Organic Compounds

Concentration, ug/l

Acrolein	<100	<100	<100
Acrylonitrile	<100	<100	<100
Benzene	<10	<10	<10
Bis(Chloromethyl) ether	<10	<10	<10
Bromoform	<10	<10	<10
Carbon Tetrachloride	<10	<10	<10
Chlorobenzene	<10	<10	<10
Chlorodibromomethane	<10	<10	<10
Chloroethane	<10	<10	<10
2-Chloroethylvinyl ether	<10	<10	<10
Chloroform	<10	<10	<10
Dichlorobromomethane	<10	<10	<10
Dichlorodifluoromethane	<10	<10	<10
1,1-Dichloroethane	<10	<10	34
1,2-Dichloroethane	<10	<10	<10
1,1-Dichloroethylene	<10	<10	<10
1,2-Dichloropropane	<10	<10	<10
1,3-Dichloropropene	<10	<10	<10
Ethylbenzene	<10	<10	<10
Methyl Bromide	<10	<10	<10
Methyl Chloride	<10	<10	<10
Methylene Chloride	<10	<10	<10
1,1,2,2-Tetrachloroethane	<10	<10	<10
Tetrachloroethylene	<10	<10	47
Toluene	<10	<10	<10



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PRIORITY POLLUTANT ANALYSIS

Client I.D.	South of Outfall	North of Outfall	Outfall
Hydro Number:	71749	71750	71751
<u>Volatile Organic Compounds</u>			<u>Concentration, ug/l</u>
trans-1,2-dichloroethylene	<10	<10	250
1,1,1-Trichloroethane	<10	<10	210
1,1,2-Trichloroethane	<10	<10	<10
Trichloroethylene	<10	<10	170
Trichlorofluoromethane	<10	<10	<10
Vinyl Chloride	<10	<10	<10

Linda Carey
Linda Carey, Manager
Analytical Services



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12/27/83

PRIORITY POLLUTANT ANALYSIS

Sample received: 11-15-83

Client I.D.	South of Outfall	North of Outfall	Outfall
Hydro Number:	71749	71750	71751

PCB's ug/l reported as:

Aroclor 1242	<0.05	<0.05	<0.05
Aroclor 1254	--	--	--
Aroclor 1260	<0.8	<0.05	<0.3



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Field Notes & Observations

Sample Number:	71749	71750	71751
Sample I.D.	South of Outfall	North of Outfall	Outfall
<u>Weather Conditions:</u>			
-General Conditions:	Overnight Rain	Overnight Rain	Overnight Rain
-Temperature:	Mid-Upper 30's	Mid-Upper 30's	Mid-Upper 30's

Grab Sample

-Time:	10:25 am	10:10 am	9:45 am
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General Notes & Observations:

Note 1: Jim Freeman; (Chemical Recovery Services) showed the site locations and gave each site identification.

Note 2: The South of Outfall and North of Outfall sites were sampled using a Van Dorn Sampler. Samples were obtained approximately 6' offshore.

Note 3: The Outfall site was sampled directly into preserved sample containers.